



11E PROBE

Electric Field Probe: E Field, 1 Hz ÷ 400 kHz

Key Features:

- Frequency range: 1 Hz ÷ 400 kHz
- Dynamic range: > 60 dB
- Directivity: Isotropic

Compatibility:

- NHT310 and NHT3D meters

Typical Application:

- Medium and High Power Lines
- Transformation stations of electricity
- Industrial installations





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Description:

The 11E probe is based on a set of three mutually orthogonal capacitors. The signals from the three capacitors, corresponding to the spatial components of the field, are used by the NHT310 or NHT3D instruments to calculate the isotropic value.

The probe detects fields in the frequency ranges from 1 Hz to 400 kHz, allowing operators to cover low frequency applications in the industrial, high power installations and energy transformation stations sectors.

The high dynamic combined with the bandwidth of this probe makes it ideal for protectionist measurement of human exposure to magnetic fields in both public and professional environments.

TECHNICAL SPECIFICATIONS

Frequency range	1 Hz ÷ 400 kHz
Type of frequency response	Flat
Measurement range	20 V/m ÷ 20 kV/m (cw)
Dynamic range	60 dB
Sensor type	Capacitors
Directivity	Isotropic
Frequency response	± 0.5 dB (50 Hz ÷ 50 kHz) @1000 V/m
	± 1 dB (50 kHz ÷ 400 kHz) @1000 V/m
Linearity	± 0.5 dB (200 ÷ 2000 V/m) @ 50 Hz
	± 0.7 dB (2 ÷ 20 kV/m) @ 50 Hz
Isotropic response	± 0.7 dB @ 50 Hz

GENERAL CHARACTERISTICS

Recommended calibration interval	24 months
Operating temperature	0°C ÷ 50°C
Size	327 x 60 Ø (mm)
Weight	120 g
Country of origin	Italy